

## AMENDMENTS

Applicants request that the Examiner enter the following amendments.

### AMENDMENTS TO THE SPECIFICATION:

On page 20, lines 15-20:

Figure 13 is a schematic diagram of a platform of the invention comprising fluid displacement by laminar flow as described in Example 3.

~~Figure 13A is a schematic diagram of a platform of the invention comprising a combination of the fluidics structures shown in Figures 12 and 13.~~

Figure 14 is a schematic diagram of the spectrophotometric chamber described in Example 4.

On page 52, line 19 through 53, line 2:

Three fluid chambers A, B and C are arrayed on the platform as shown in Figure 13. Each chamber ranges in depth in the surface of the platform from about 0.25mm to about 1mm and lateral dimensions of from about 0.2cm to about 2cm. A capillary D leading from fluid chamber B has a cross-sectional diameter of from about 0.02mm to about 0.75mm. A capillary junction E is fluidly connected with capillary D and has dimensions at least as deep and wider than capillary D. A flow channel F having cross-sectional dimensions of from about 0.02mm to about 0.75mm is fluidly connected to capillary junction E and with fluid chamber A. A capillary G is fluidly connected to both fluid chambers A and C and has cross-sectional dimensions of from about 0.02mm to about 0.75mm. Also provided on the platform are air ports and channels H and K, optionally comprising capillary junction I to prevent fluid flow through the air channels.